

Title (en)
ENHANCED PROBE BINDING

Title (de)
VERBESSERTE SONDENANBINDUNG

Title (fr)
LIAISON AMÉLIORÉE D'UNE SONDE

Publication
EP 2956550 B1 20200408 (EN)

Application
EP 14706709 A 20140116

Priority
• US 201361754258 P 20130118
• US 2014011829 W 20140116

Abstract (en)
[origin: WO2014113557A1] Methods for enhancing the binding of oligonucleotide probes to DNA and RNA are disclosed. The methods make use of thermodynamic and kinetic effects to reduce probe mismatches and failure of complementary probes to bind to DNA and RNA templates. Mapping and sequencing of the probed DNA and RNA samples are contemplated herein.

IPC 8 full level
C12Q 1/6825 (2018.01); **C12Q 1/6869** (2018.01)

CPC (source: EP US)
C12Q 1/6825 (2013.01 - EP US); **C12Q 1/6827** (2013.01 - EP US); **C12Q 1/6858** (2013.01 - EP US); **C12Q 1/6869** (2013.01 - EP US)

Citation (examination)
• BELL ET AL: "The polymerase chain reaction", IMMUNOLOGY TODAY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 10, no. 10, 1 October 1989 (1989-10-01), pages 351 - 355, XP025809614, ISSN: 0167-5699, [retrieved on 19891001], DOI: 10.1016/0167-5699(89)90193-X
• H.H LEE: "Ligase Chain Reaction", BIOLOGICALS, vol. 24, no. 3, 1 September 1996 (1996-09-01), ENGLAND, pages 197 - 199, XP055405368, DOI: org/10.1006/biol.1996.0026

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014113557 A1 20140724; EP 2956550 A1 20151223; EP 2956550 B1 20200408; US 10294516 B2 20190521;
US 2014212874 A1 20140731

DOCDB simple family (application)
US 2014011829 W 20140116; EP 14706709 A 20140116; US 201414157136 A 20140116